

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

20. EXAMPLE PROJECT KEY NUMBER

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

10

21. TITLE AND LOCATION <i>(City and State)</i> <b>Panque Dam</b> <b>Southeast of Los Angeles, Chile</b>		22. YEAR COMPLETED	
		PROFESSIONAL SERVICES 1989	CONSTRUCTION <i>(If applicable)</i> 1996
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER Ingendesa	c. POINT OF CONTACT NAME Dario Croqueville Brand		c. POINT OF CONTACT TELEPHONE NUMBER 011-562-2226070

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost.)*

**PROJECT DESCRIPTION**

Panaque Dam at 115 m (377 ft) is the first RCC dam built in Chile. It is located on the Bio Bio, one of the largest rivers in Chile, in an area where the annual rainfall is 3.8 m (150 inches). Thus, cofferdam design, river diversion, and placing RCC in wet weather were important considerations.

**PROJECT HIGHLIGHTS**

- First RCC dam built in Chile
- River diversion and RCC construction in wet weather a major design consideration

**SERVICES PROVIDED**

During a trip to Santiago, a preliminary design review for the RCC dam was performed for ENDESA (the Chilean National Electric Board). INGEDESA is the engineering arm for this major electric utility in Chile. At the request of the owner, an appraisal of international RCC dam consultants was also provided. A slide talk on lessons learned from the performance of RCC dams in the USA was presented to the client, and also to Chilean contractors in separate meetings by Mr. Hansen.

**PROJECT COSTS**

- Firm's Amount: \$ N/A



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Kenneth D. Hansen, P.E.	(2) FIRM LOCATION <i>(City and State)</i> Greenwood Village, Colorado	(3) ROLE See Above
----	--	--	-----------------------